

CLAIMS

1. A magnetic bearing element having at least one annular permanent magnet (2,
3) that is surrounded by an annular binding band (5),
5 wherein the permanent magnet (2, 3) is divided at at least one location (4)
and spaced apart there.
2. The magnetic bearing element according to Claim 1, wherein the location (4) is
10 embodied as a radially extending slit.
3. The magnetic bearing element according to Claim 1 or 2, wherein the permanent
magnet (2, 3) is divided and spaced apart at multiple locations (4).
4. The magnetic bearing element according to Claim 3, wherein the locations (4)
15 are distributed regularly over the periphery of the permanent magnet (2, 3).
5. The magnetic bearing element according to Claims 1 to 4, wherein the bearing
element comprises multiple permanent magnets (2, 3) arranged concentrically
with one another, all of which are divided at at least one location (4) and spaced
20 apart there.
6. The magnetic bearing element according to Claim 5, wherein the locations (4) at
which the permanent magnets (2, 3) are divided and there spaced apart are
offset from one another in the circumferential direction.
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7. The magnetic bearing element according to any of the foregoing claims, wherein
the annular binding band (5) is made from a carbon-fiber material.